

1           1.    A method comprising:  
2                 writing back data from two or more different  
3   cache lines in the same write back request to a disk drive.

1           2.    The method of claim 1 including identifying dirty  
2   logical data.

1           3.    The method of claim 2 including identifying dirty  
2   logical block addresses.

1           4.    The method of claim 1 including flushing  
2   different cache lines in the same operation.

1           5.    The method of claim 1 including writing back data  
2   from a non-volatile cache.

1           6.    The method of claim 1 including searching for  
2   dirty data to write back.

1           7.    The method of claim 6 including searching in a  
2   first direction.

1           8.    The method of claim 7 including searching in a  
2   second direction opposite the first direction.

1           9.    The method of claim 6 including searching by sets  
2   and ways in a cache organized in sets and ways.

1           10.   The method of claim 6 including determining  
2   whether two logical blocks of data that are dirty are  
3   sufficiently proximate to write them back to the disk drive  
4   write back in the same operation.

1           11.   An article comprising a medium storing  
2   instructions that, if executed, enable a processor-based  
3   system to:  
4                write back data from two or more different cache  
5   lines in the write back request to a disk drive.

1           12.   The article of claim 11 further storing  
2   instructions that, if executed, enable the processor-based  
3   system to identify dirty logical data.

1           13.   The article of claim 12 further storing  
2   instructions that, if executed, enable the processor-based  
3   system to identify dirty logical block addresses.

1           14.   The article of claim 11 further storing  
2   instructions that, if executed, enable the processor-based  
3   system to flush different cache lines in the same  
4   operation.

1        15. The article of claim 11 further storing  
2 instructions that, if executed, enable the processor-based  
3 system to write back data from a non-volatile cache.

1        16. The article of claim 11 further storing  
2 instructions that, if executed, enable the processor-based  
3 system to search for dirty data to write back.

1        17. The article of claim 16 further storing  
2 instructions that, if executed, enable the processor-based  
3 system to search in a first direction.

1        18. The article of claim 17 further storing  
2 instructions that, if executed, enable the processor-based  
3 system to search in a second direction opposite the first  
4 direction.

1        19. The article of claim 16 further storing  
2 instructions that, if executed, enable the processor-based  
3 system to search by sets and ways in a cache organized in  
4 sets and ways.

1        20. The article of claim 16 further storing  
2 instructions that, if executed, enable the processor-based  
3 system to determine whether two logical blocks of data that

4 are dirty are sufficiently proximate to write them back to  
5 the disk drive in the same write back operation.

1 21. A system comprising:  
2 a cache;  
3 a disk drive coupled to said cache; and  
4 a controller to write back data from two or more  
5 different cache lines in the same write back request to  
6 said disk drive.

1 22. The system of claim 21, said controller to  
2 identify dirty logical data.

1 23. The system of claim 22, said controller to  
2 identify dirty logical block addresses.

1 24. The system of claim 21, said controller to flush  
2 different cache lines in the same operation.

1 25. The system of claim 21, said controller to write  
2 back data from a non-volatile cache.

1 26. The system of claim 21, said controller to search  
2 for dirty data to write back.

1        27. The system of claim 26, said controller to search  
2 in a first direction.

1        28. The system of claim 27, said controller to search  
2 in a second direction opposite the first direction.

1        29. The system of claim 26, said controller to search  
2 by sets and ways in a cache organized in sets and ways.

1        30. The system of claim 26, said controller to  
2 determine whether two logical blocks of data that are dirty  
3 are sufficiently proximate to write them back to the disk  
4 drive in the same write back operation.